

STEREO MOC Status Report
Time Period: 2009:264 - 2009:270

STEREO Ahead (STA) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 264, during the DSS 55 support, command bind was lost at 0424z due to an exciter equipment anomaly. One command was sent before the loss of the command bind. All SSR data was recovered. See DR# N105653 for more information.
- On day 265, during the DSS 55 support, command bind was lost again at 0707z due to an exciter equipment anomaly. The MOC re-established the command bind before EOT. All SSR data was recovered. See DR# N105655 for more information.
- On day 267, during the DSS 25 support, the station transmitter power was limited to 10 kW. This was sufficient to close the RF link on AHEAD. All SSR data was recovered. See DR# G109714 for more information.
- On day 270, during the DSS 25 support, the station transmitter power was limited to 10 kW. This was sufficient to close the RF link on AHEAD. All SSR data was recovered.

2. Ahead spacecraft performance continues to be very good with all subsystems performing nominally. The following spacecraft/instrument events occurred during this week:

- The average daily SSR playback volume for Ahead was 5.5 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 265, during the DSS 34 support, could lock to telemetry due to a receiver equipment anomaly at 0610z. A spare receiver chain was placed on-line and telemetry lock was received at 0623z. This resulted in the loss of 12

minutes of real-time telemetry and ranging data. All SSR data was recovered. See DR# C107098 for more information.

- On day 268, during the DSS 63 support, a receiver anomaly occurred at 1330z. This resulted in the loss of minor SECCHI SSR data, 277 minutes of ranging data, and 2-way Doppler data. See DR# M105499 for more information.
- On day 269, during the DSS 55 support, command bind was lost at 1606z due to an exciter equipment anomaly. All SSR data was recovered. See DR# N105689 for more information.

2. Behind spacecraft performance continues to be very good with all subsystems performing nominally. The following spacecraft/instrument events occurred during this week:

- On day 264, the BEHIND S/C was at aphelion.
- The average daily SSR playback volume for Behind was 6.2 Gbits during this week.